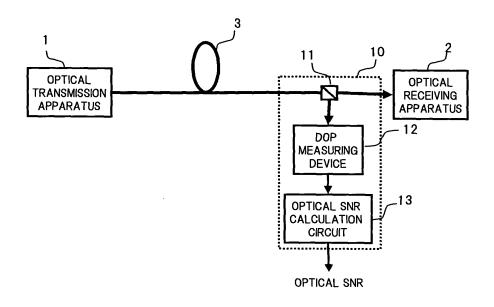
FIG.1



# FIG.2

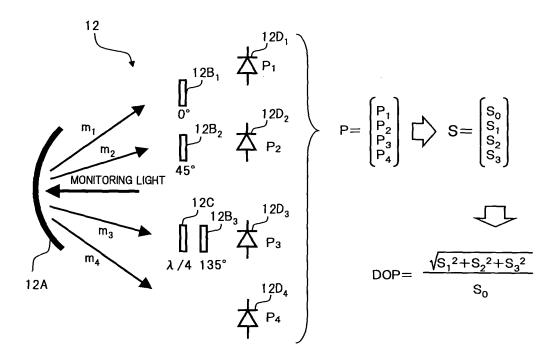
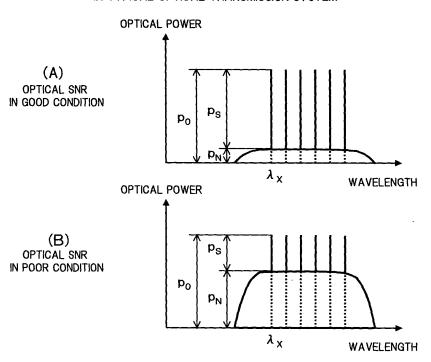


FIG.3

## EXAMPLE OF TRANSMITTED LIGHT IN TYPICAL OPTICAL TRANSMISSION SYSTEM



### FIG.4

## EXAMPLE OF DOP DETERIORATION WITH TIME IN TYPICAL OPTICAL TRANSMISSION SYSTEM

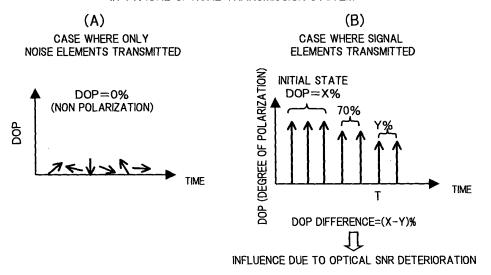


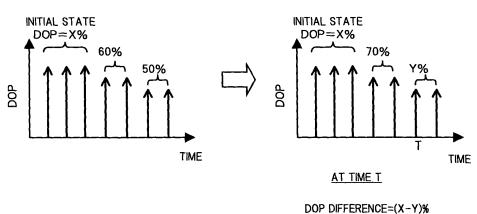
FIG.5

### EXAMPLE OF DOP DETERIORATION WITH TIME IN TYPICAL OPTICAL TRANSMISSION SYSTEM

(A) (B)

DOP DETERIORATION WITH TIME DUE TO CHANGES IN PMD AND OPTICAL SNR

DOP DETERIORATION WITH TIME DUE TO ONLY OPTICAL SNR CHANGE AFTER PMD COMPENSATION



INFLUENCE DUE TO OPTICAL SNR DETERIORATION

FIG.6 OPTICAL RECEIVING APPARATUS 13 OPTICAL SNR CALCULATION CIRCUIT DOP MEASURING DEVICE OPTICAL SNR 13 OPTICAL SNR CALCULATION CIRCUIT OPTICAL SNR DOP MEASURING DEVICE 12 33 OPTICAL SNR CALCULATION CIRCUIT DOP MEASURING DEVICE OPTICAL SNR 12 13 OPTICAL SNR CALCULATION CIRCUIT DOP MEASURING DEVICE OPTICAL SNR OPTICAL TRANSMISSION APPARATUS

<sup>5/24</sup> FIG.7

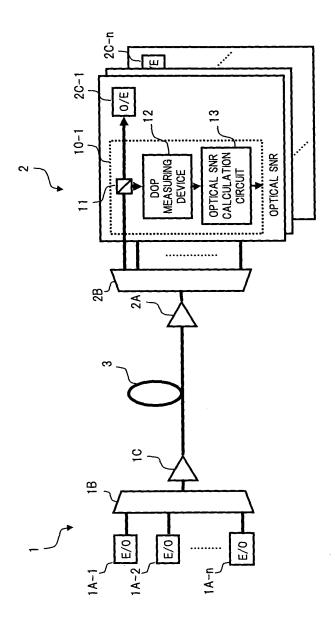
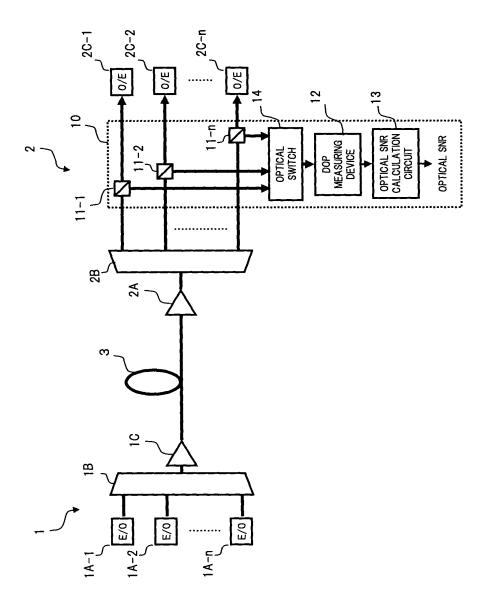


FIG.8



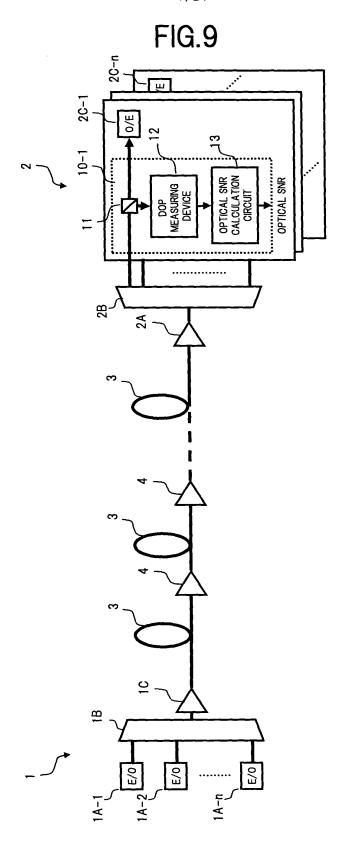


FIG.10

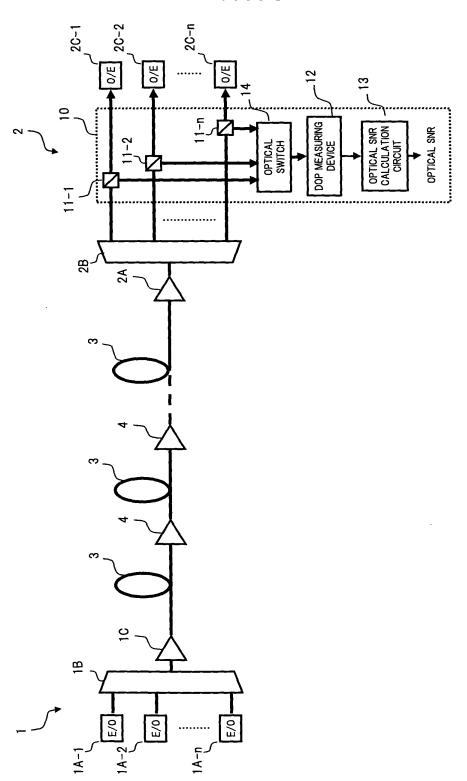


FIG.11

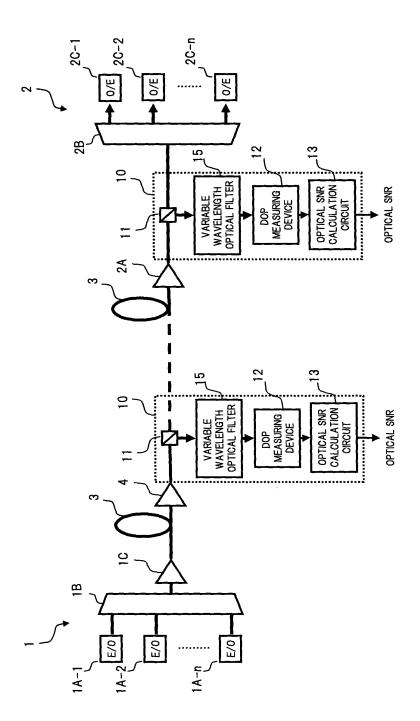


FIG.12

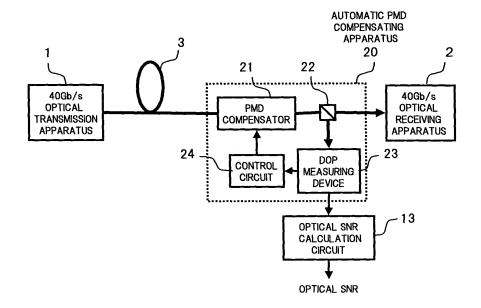


FIG.13

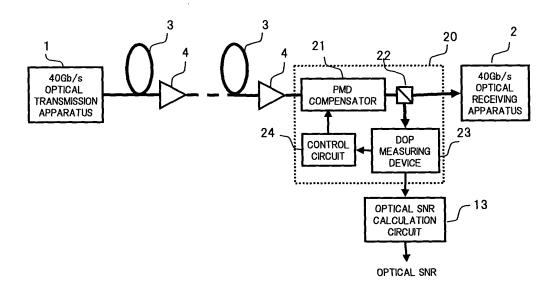


FIG.14

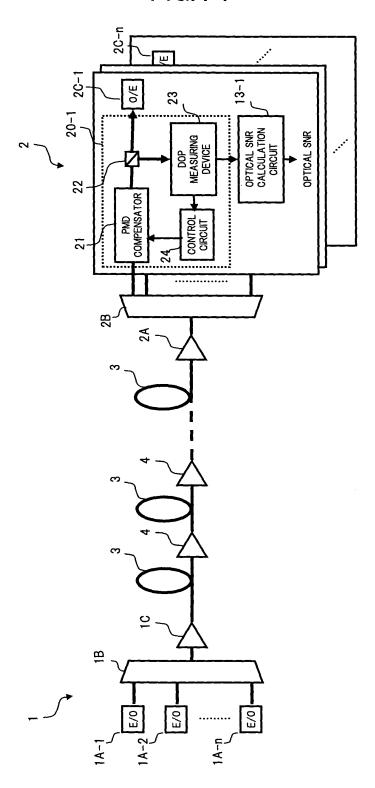


FIG. 15

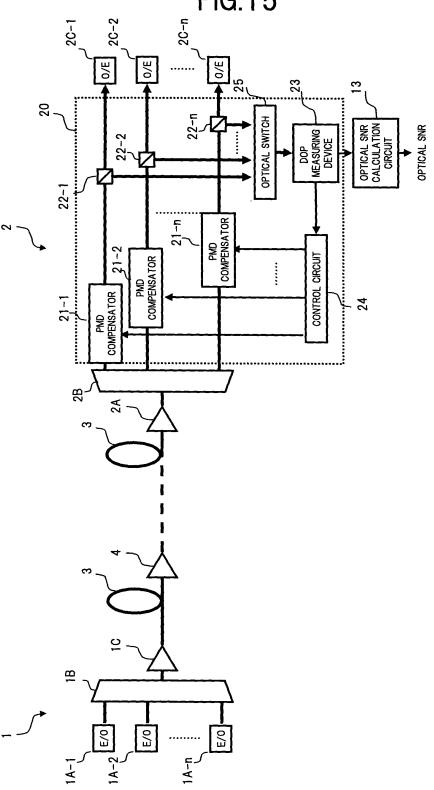


FIG. 16

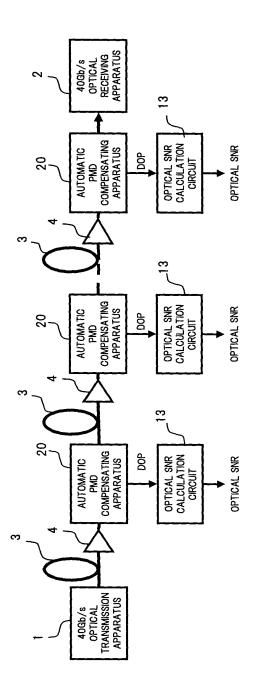
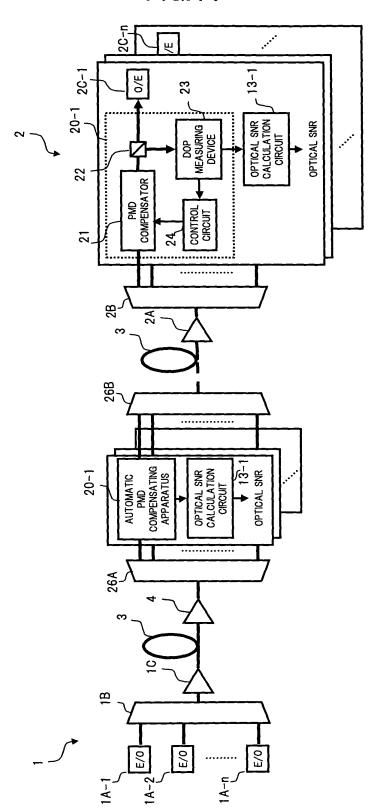


FIG.17



# FIG.18

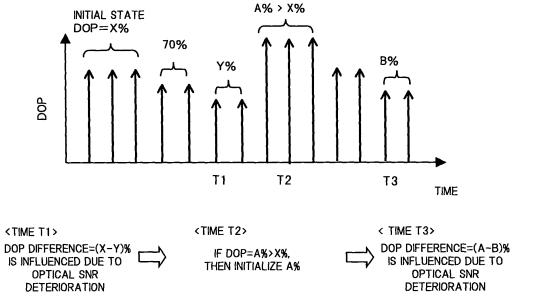


FIG. 19

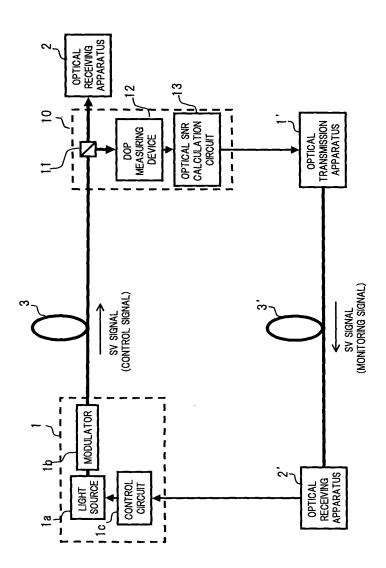
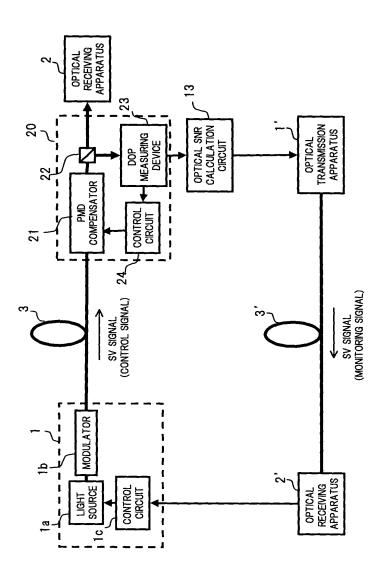


FIG.20



**FIG.21** Ü 2C-1 0/E 2 <u>-0</u> OPTICAL TRANSMISSION APPARATUS DOP MEASURING DEVICE OPTICAL SNR CALCULATION CIRCUIT Ξ 2B VARIABLE WAVELENGTH OPTICAL FILTER DOP MEASURING DEVICE DOP MEASURING DEVICE VARIABLE WAVELENGTH OPTICAL FILTER OPTICAL SNR CALCULATION CIRCUIT ટ્ડ 13 \ \ \ \ VARIABLE WAVELENGTH OPTICAL FILTER DOP MEASURING DEVICE DOP MEASURING DEVICE OPTICAL SNR CALCULATION CIRCUIT VARIABLE WAVELENGTH OPTICAL FILTER 5, DOP MEASURING DEVICE VARIABLE WAVELENGTH OPTICAL FILTER DOP MEASURING DEVICE OPTICAL SNR CALCULATION CIRCUIT VARIABLE WAVELENGTH OPTICAL FILTER 12, 15 9 PRE-EMPHASIS CONTROL CIRCUIT E/0 OPTICAL RECEIVING APPARATUS E/0

**FIG.22** 

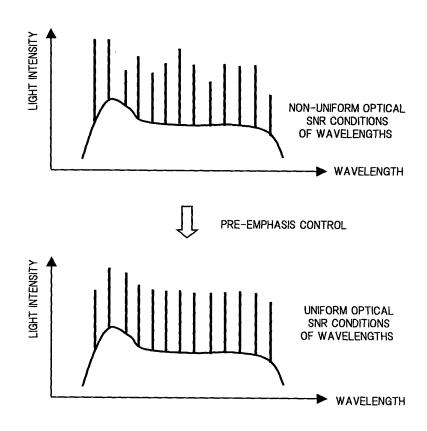


FIG.23

